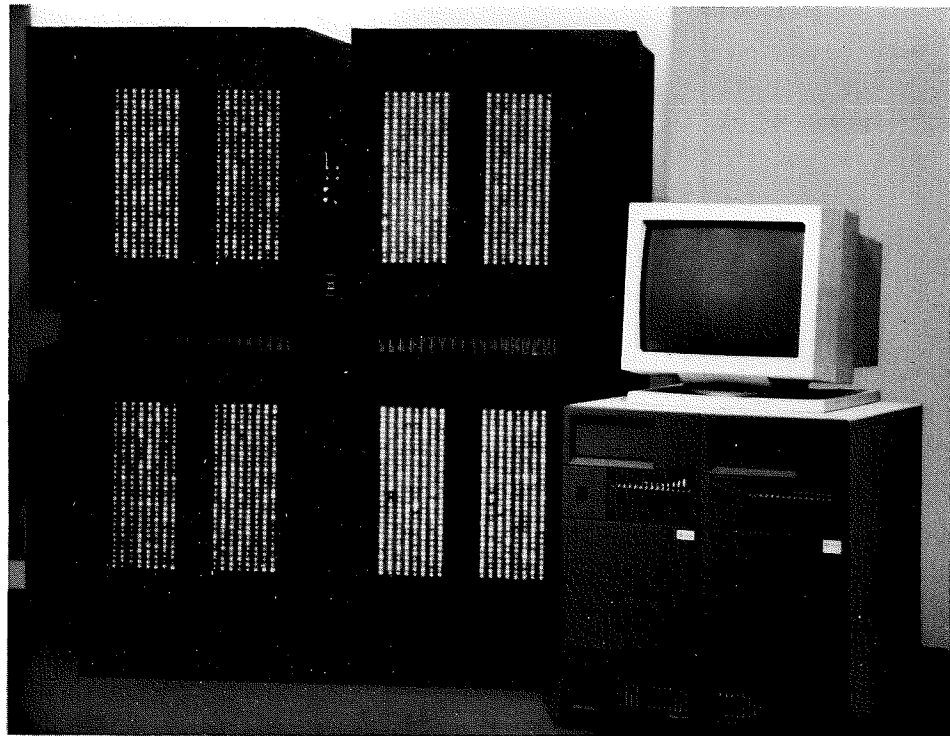


## Sun Front End for a CM-2



Thinking Machines Corporation announces the support of the Sun 4 as a Front End to the Connection Machine system starting with Release 5.0.

The Connection Machine software interface is the same on the Sun and Vax. Features:

- ◆ C\*
- ◆ \*Lisp
- ◆ C/Paris
- ◆ Lisp/Paris
- ◆ Fortran/Paris
- ◆ DataVault
- ◆ Graphics Display
- ◆ Documentation
- ◆ Diagnostics

CM Fortran is not currently available on the Sun Front End.

For sites where C and Lisp are the primary languages, the Sun Front End is an exciting addition to our product family.

The Sun Front End may be used as either a server or as a powerful workstation. Depending on the site situation, users may want anything from a "dumb terminal" to a color Sun monitor with the Front End. Many sites will choose remote login from individual workstations to the Connection Machine Front End for program execution only.

## Recommended Sun Configurations

Estimated Price

### Mid-range workstation

4/260HM-32      Sun-4/260 Monochrome workstation      \$ 85,700

32 Mbyte memory

688 Mbyte formatted disk subsystem with SMD-4

60 Mbyte 1/4" cartridge tape subsystem

Sun Common Lisp development environment

SMD-4 Feature Tape software

Sun Operating System, Manuals, 2-user license

Good all around system for both single users and network access.

Accepts up to two Front End Interfaces.

### Central server

4/280S-P14J      Sun-4/280 Data Center Server      \$150,200

64 Mbyte memory

76" cabinet

1784 (2x892) Mbyte disk subsystem with SMD-4

6250 bpi 1/2" tape subsystem

Sun Common Lisp development environment

SMD-4 Feature Tape software

Sun Operating System, Manuals, 2-user license

Network accessible CM server.

Accepts up to four Front End Interfaces.

## Configuration Background

Current Sun high-end models are the Sun 4/260 and the Sun 4/280. The main difference between the two models is the capability for increasing the number of peripheral devices. The amount of memory required will vary depending on the languages that are used. For sites running Lisp, 32-64 MBytes is recommended. Otherwise, 8-24 Mbytes should be sufficient. While the base Connection Machine software requires approximately 100 Mbytes of disk space, we recommend at least 350 Mbytes for user files and swap space. A Sun tape drive is required with all configurations.

In general, 5-10 Connection Machine programmers can share one Sun Front End. It is strongly recommended that the Sun 4 be dedicated to Connection Machine Front End tasks. It may be practical to use the Sun Front End as a general file server, although not recommended. Customers are encouraged to have as many Front End Interfaces as they do Sequencers. This may be done using a single Sun Front End.

### Sun Front End Interface Prices (includes 100 foot cables):

\$ 50,000 for first interface (unless part of system)

\$ 20,000 for additional interfaces